

MULTILAYER POWER INDUCTORS FLMA-IP SERIES

APPLICATIONS

- 1.Small, light weight and cost saving type of larger current chip inductor for noise decoupling circuits, DC/DC converter for the mobile equipment such as mobile phone, pad, WLAN device...etc.
- 2.Low DC resistance.
- 3.Low profile FLMA-201210 with only 1.0mm thickness.



ORDERING CODE

FLMA-160809IP-R24 M A12 T 07

(1) (2) (3) (4) (5) (6) (7)

(1) PRODUCT TYPE CODE

FLMA : Ferrite Chip Inductor, Multilayer

(2) SIZE CODE

(3) INDUCTANCE CODE

Example : R33=0.33 μ H

1R0=1.0 μ H

100=10.0 μ H

(4) INDUCTANCE TOLERANCE

(K : $\pm 10\%$, M : $\pm 20\%$)

(5) A□□□ Means HIGH IDC CURRENT

Example : A08 means IDC=800mA

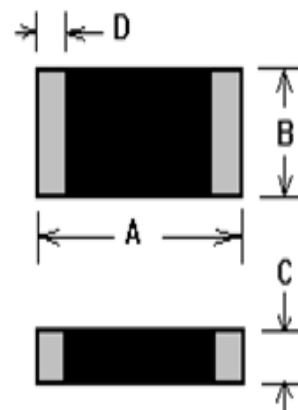
A035 means IDC=350mA

(6) TAPING CODE

Example : A08 means IDC=800mA

A035 means IDC=350mA

(7) REF CODE



SHAPE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D
FLMA-160809IP (0603)	1.60 $\pm$ 0.20 (0.063 $\pm$ 0.008)	0.80 $\pm$ 0.20 (0.031 $\pm$ 0.008)	0.95max (0.037max)	0.1~0.5 (0.004~0.020)
FLMA-201205IP (0805)	2.00 $\pm$ 0.20 (0.079 $\pm$ 0.008)	1.25 $\pm$ 0.20 (0.049 $\pm$ 0.008)	0.50 $\pm$ 0.05 (0.02 $\pm$ 0.008)	0.2~0.8 (0.02 $\pm$ 0.008)
FLMA-201210IP (0805)	2.00 $\pm$ 0.20 (0.079 $\pm$ 0.008)	1.25 $\pm$ 0.20 (0.049 $\pm$ 0.008)	1.0max (0.039max)	0.2~0.8 (0.008~0.031)
FLMA-201610IP (0806)	2.00 $\pm$ 0.20 (0.079 $\pm$ 0.008)	1.60 $\pm$ 0.20 (0.063 $\pm$ 0.008)	1.0max (0.039max)	0.2~0.8 (0.008~0.031)
FLMA-252010IP (1008)	2.50 $\pm$ 0.20 (0.098 $\pm$ 0.008)	2.00 $\pm$ 0.20 (0.079 $\pm$ 0.008)	1.0max (0.039max)	0.2~0.8 (0.008~0.031)

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ELECTRICAL CHARACTERISTICS

ORDERING CODE	L (μH)	Test Frequency 100mV L(MHz)	DC Resistance (Ω) (max)	SRF MHz (min)	IDC (A) (TYP)	
FLMA-160809IP-R24MA12T07	0.24	1	0.13	90	1.20	
FLMA-160809IP-R47MA12T07	0.47	1	0.13	70	1.20	
FLMA-160809IP-1R0MA095T07	1.00	1	0.25	60	0.95	
FLMA-160809IP-2R2MA075T07	2.20	1	0.38	50	0.75	
FLMA-201205IP-R47MA11T07	0.47	1	0.15	100	1.10	
FLMA-201205IP-1R0MA08T07	1.00	1	0.24	90	0.80	
FLMA-201205IP-1R5MA07T07	1.50	1	0.35	70	0.70	
FLMA-201205IP-2R2MA06T07	2.20	1	0.42	40	0.60	
FLMA-201210IP-R47MA13T07	0.47	1	0.10	100	1.30	
FLMA-201210IP-1R0MA10T	1.00	1	0.14	50	1.00	
FLMA-201210IP-2R2MA08T07	2.20	1	0.30	40	0.80	
FLMA-201210IP-2R2MA09T07	2.20	1	0.23	70	0.90	
FLMA-201210IP-4R7MA07T	4.70	1	0.288	40	0.70	
FLMA-201210IP-4R7MA08T01	4.70	1	0.32	40	0.80	
FLMA-201610IP-R47MA16T07	0.47	1	0.08	80	1.60	
FLMA-201610IP-1R0MA14T07	1.00	1	0.11	70	1.40	
FLMA-201610IP-1R5MA12T07	1.50	1	0.14	50	1.20	
FLMA-201610IP-2R2MA12T	2.20	1	0.17	50	1.20	
FLMA-201610IP-4R7MA09T	4.70	1	0.23	20	0.90	
FLMA-252010IP-R47MA18T07	0.47	1	0.05	100	1.80	
FLMA-252010IP-1R0MA16T07	1.00	1	0.07	60	1.60	
FLMA-252010IP-1R5MA15T07	1.50	1	0.09	50	1.50	
FLMA-252010IP-2R2MA13T07	2.20	1	0.10	40	1.30	
FLMA-252010IP-3R3MA12T07	3.30	1	0.13	30	1.20	
FLMA-252010IP-4R7MA11T07	4.70	1	0.14	25	1.10	
FLMA-252010IP-6R8MA11T07	6.80	1	0.25	25	1.10	

IDC specifies that temperature rise caused by self-heat generation is below 40°C.

Operating temperature range : -40°C ~ +85°C (including self-heating)

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